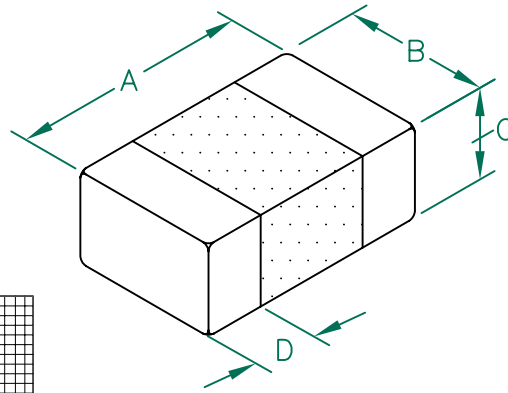


# LI0805G301R-10

**UNCONTROLLED DOCUMENT**

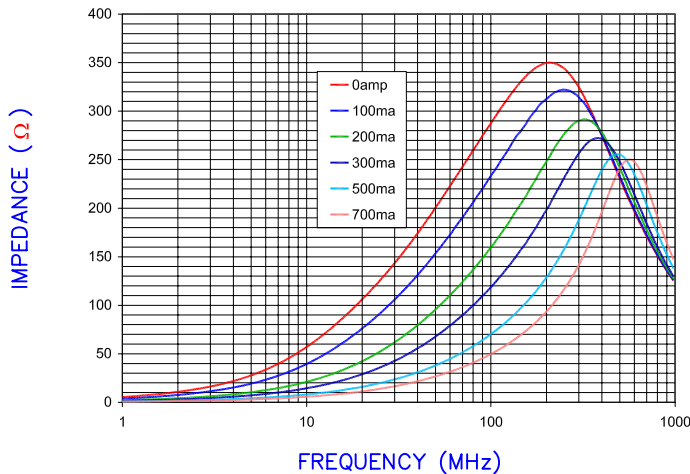
PHYSICAL DIMENSIONS:

|   |             |               |
|---|-------------|---------------|
| A | 2.00 [.079] | + 0.20 [.008] |
| B | 1.25 [.049] | + 0.20 [.008] |
| C | 0.90 [.035] | + 0.20 [.008] |
| D | 0.51 [.020] | + 0.25 [.010] |

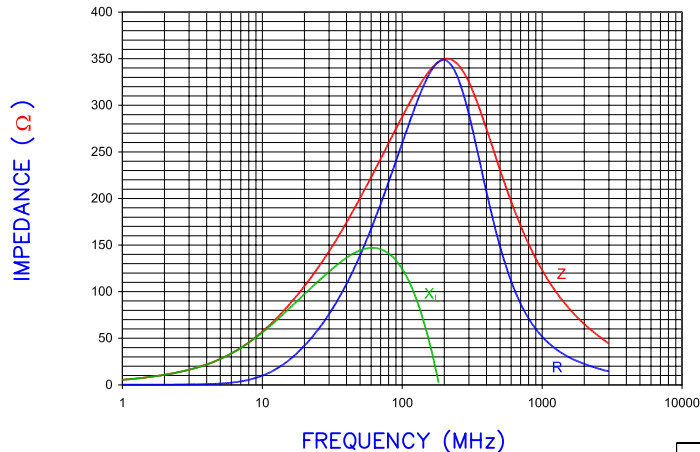


| ELECTRICAL CHARACTERISTICS: |            |               |
|-----------------------------|------------|---------------|
| Z @ 100MHz<br>(Ω)           | DCR<br>(Ω) | Rated Current |
| Nominal                     | 300        |               |
| Minimum                     | 225        |               |
| Maximum                     | 375        | 0.2           |
|                             |            | 700 mA        |

Z vs FREQUENCY  
IMPEDANCE UNDER DC BIAS

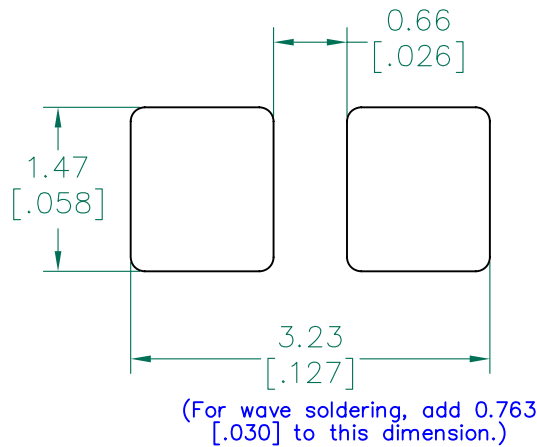


FREQUENCY (MHz)  
|Z|, R, AND X vs. FREQUENCY

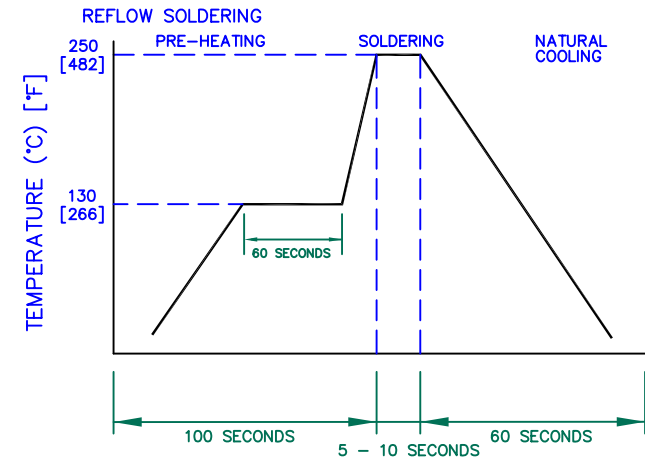


- NOTES: UNLESS OTHERWISE SPECIFIED
- TAPED AND REELED per CURRENT EIA SPECIFICATIONS 7" REELS, 4000 PCS/REEL, PAPER TAPE.
  - COMPONENTS SHOULD BE ADEQUATELY PREHEATED BEFORE SOLDERING.
  - TERMINATION FINISH IS 100% TIN.

LAND PATTERNS FOR REFLOW SOLDERING



RECOMMENDED SOLDERING CONDITIONS



| DIMENSIONS ARE IN mm [INCHES]. |                                  |          |     | This print is the property of Laird Tech. and is loaned in confidence subject to return upon request and with the understanding that no copies shall be made without the written consent of Laird Tech. All rights to design or invention are reserved. |                  | <b>Laird TECHNOLOGIES</b> |     |
|--------------------------------|----------------------------------|----------|-----|---|------------------|---------------------------|-----|
| PROJECT/PART NUMBER:           |                                  |          |     | REV   | PART TYPE:       | DRAWN BY:                 |     |
| LI0805G301R-10                 |                                  |          |     | C   | CO-FIRE          | JRK                       |     |
| C                              | CHANGE TO PAPER TAPE             | 03/04/10 | JUN | DATE:   | 04/13/04         | SCALE:                    | NTS |
| B                              | UPDATE COMPANY LOGO ADD ROHS SYM | 07/21/08 | JRK | CAD #   | LI0805G301R-10-C | TOOL #                    | -   |
| A                              | ORIGINAL DRAFT                   | 04/13/04 | JRK | SHEET: 2 of 2   |                  |                           |     |
| REV                            | DESCRIPTION                      | DATE     | INT |   |                  |                           |     |



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